

ABSTRACT

MEDIA DEVELOPMENT OF MICROSOFT OFFICE POWERPOINT ON GAMBAR TEKNIK MESIN DASAR (GTMD) TO IMPROVE STUDENT ACHIEVEMENT IN SMK N 2 YOGYAKARTA

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The purpose of this research is to investigate the development of instructional media Microsoft Office PowerPoint in the lesson of Gambar Teknik Mesin Dasar, determine the feasibility of learning media Microsoft Office PowerPoint created and developed in the lesson of Gambar Teknik Mesin Dasar and determining whether or not an increase in student performance in class X TP SMK N 2 Yogyakarta on learning in the lesson Gambar Teknik Mesin Dasar using Microsoft Office PowerPoint.

This research is a type of research and development (Research and Development) performed at the Department of Mechanical Machining SMK N 2 Yogyakarta. Object of this research is the development of instructional media Microsoft Office PowerPoint in the lesson of Gambar Teknik Mesin Dasar. The data was collected using a questionnaire (questionnaire) and questions (pretest-posttest). Techniques of data analysis done with descriptive qualitative and compare the results of pretest-posttest test the application of the class using PowerPoint media and media classes that do not use PowerPoint.

The results of this research is a medium of learning PowerPoint with media development stages are: (1) observation, (2) Needs Analysis, (3) Design the media, (4) Make a prototype media, (5) Validation of the media by media experts and materials, (6) Test a small group, (7) Revision of phase 1, (8) The trial of the group, (9) Revision of stage 2, (10) The application of media/ test the effectiveness and (11) the final product. Instructional media declared eligible by testing the feasibility of the product according to media experts with a percentage of 85.45% viability, expert faculty assessment of the material by the percentage of total 86%, an expert assessment by the teaching staff, training materials with a percentage of 90.44%, test a small group with a percentage of 82,89% and 81.64% of the test group. PowerPoint instructional media with proven effectiveness by the average value of the class with PowerPoint media is higher than the class who did not use it. From the test results can be concluded that Microsoft Office PowerPoint instructional media developed suitable as supporting the learning process in the lesson of Basic Drawing of Gambar Teknik Mesin Dasar to improve student achievement.

Key words: learning media, microsoft office powerpoint, Gambar Teknik Mesin Dasar

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